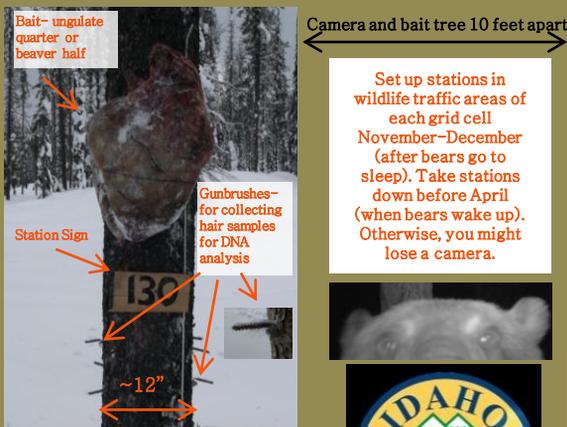


Multi-species Baseline Initiative: Forest Carnivore Bait Stations (A How-To Guide)

Lacy Robinson and Michael Lucid, Idaho Dept. of Fish and Game, Coeur d'Alene, Idaho

MBI is a collaboration of organizations conducting surveys for wildlife and micro-climate across the Idaho Panhandle and adjoining mountain ranges. From 2010-2014, MBI conducted bait station surveys for fisher, wolverine, lynx, as well as more common species in 498, 5x5 km² grid cells.

1. The Setup



Camera and bait tree 10 feet apart

Set up stations in wildlife traffic areas of each grid cell November-December (after bears go to sleep). Take stations down before April (when bears wake up). Otherwise, you might lose a camera.



Remote Camera- various models



2. Do the Work

Find partner organizations (federal and state agencies, tribal agencies, community groups) to contribute to field effort.

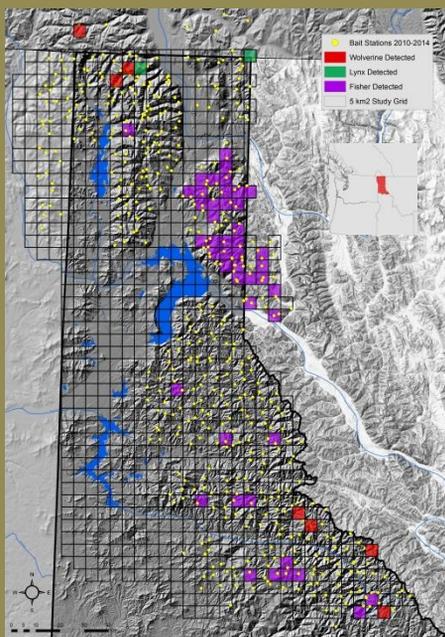


Over 200 Citizen Naturalists contributed thousands of hours to the bait station effort.

MBI Bait Station Partners:

- Coeur d'Alene Tribe of Indians
- Idaho Panhandle National Forest
- Friends of Scotchman Peaks Wilderness
- Idaho Conservation League
- Idaho Dept. of Fish and Game
- Idaho Dept. of Lands
- Kalispel Tribe of Indians
- Selkirk Outdoor Leadership and Education
- Seepanee Ecological Consulting

3. See What's Out There



498 Bait stations completed between 2010-2014. Wolverines were detected at 7 stations, lynx at 2 stations, fisher at 57 stations.*

4. The Payoff

- > Half a million pictures
- > 2000 DNA samples
- > 30 Species detected
- Current distribution of common species can be an indicator of potential problems for Species of Greatest Conservation Need
- Broad-scale view of distribution patterns
- Monitoring of individuals through genetics
- Gene flow among populations
- Baseline knowledge provides infrastructure for future wildlife conservation
- The beginning of a landscape-level biodiversity monitoring program

5. Don't forget to thank the supporters!

MBI Bait Station Funding Sources:

- Colville National Forest
- Idaho Dept. of Fish and Game
- Idaho Panhandle National Forest
- Oregon Zoo Foundation
- USFS Rocky Mountain Research Station
- USFWS Service Section 6
- USFWS Sportfish and Wildlife Restoration Competitive State Wildlife Grant Fund
- Zoo Boise Conservation Fund

*Results shown are from pictures only- DNA results are pending.

Martens were commonly detected in every mountain range of the study area except the Coeur d'Alene Mountains.*

